WARNING:

This Unit employs Components that tend to produce arcs or sparks – To prevent fire or explosion, do not install in compartments containing batteries or flammable materials - SHOCK HAZARD. DO NOT OPEN.

CAUTION

OUTPUT NON-SINUSOIDAL REFER TO MANUAL - Provided with integral protection against overloads. To prevent fire, do not cover or obstruct ventilation openings. Do not mount in Zero-Clearance compartment. Overheating may result.

Notice

The output of this device is not sinusoidal. It has a total harmonic distortion of 30% percent and maximum single harmonic of 8 percent

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Energizer



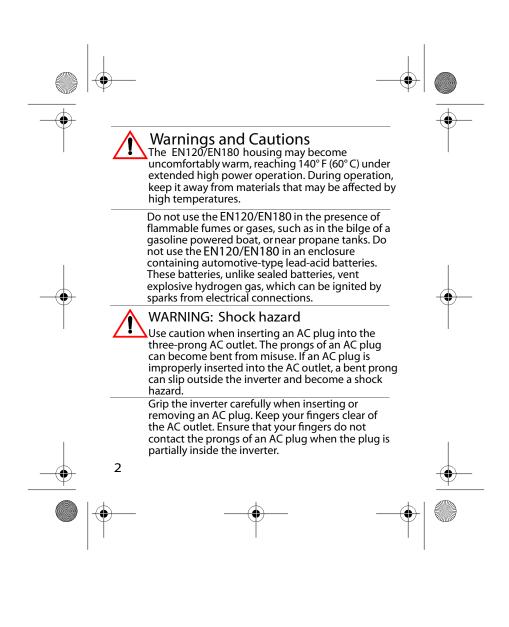
EN120 EN180

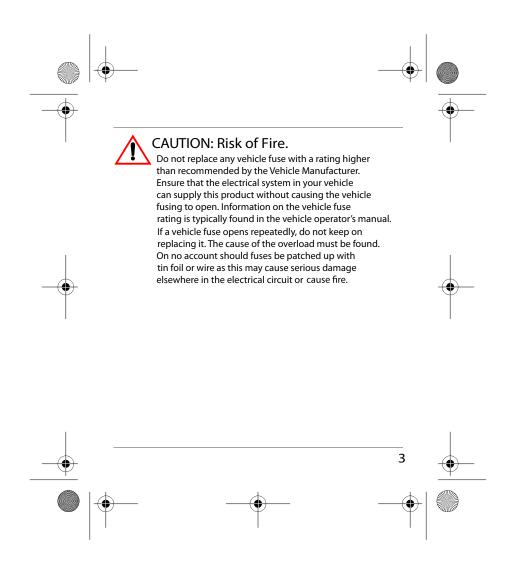
Owner's Guide

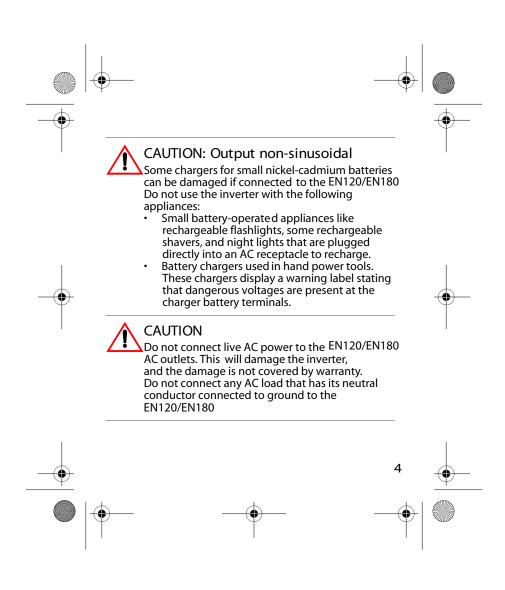


Conforms to / Conforme à UL std. 458, Certified to / Homologué à CSA std. C22.2 No. 107.1

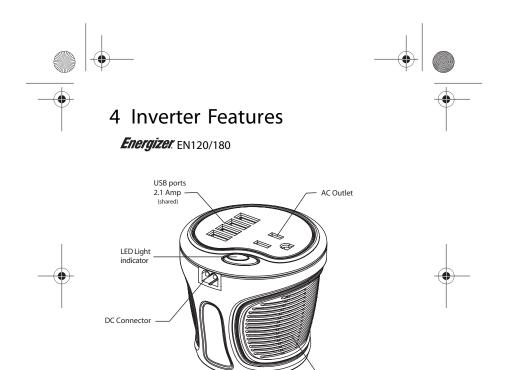






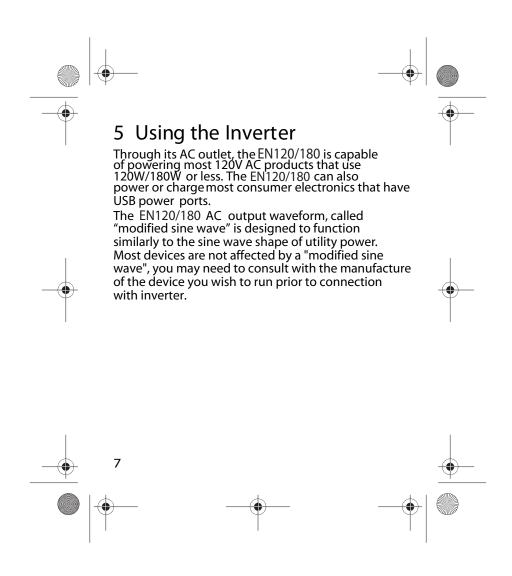


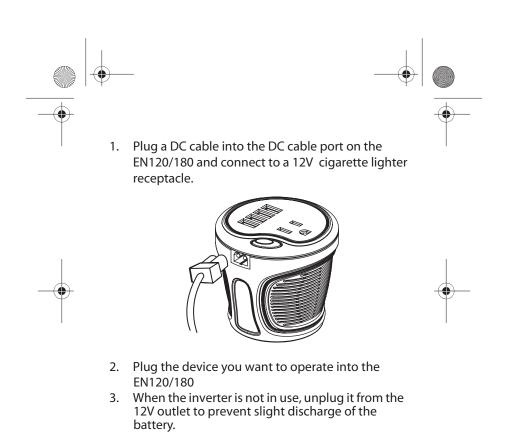


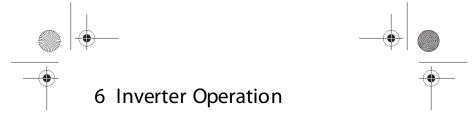




Ventilation opening







- When properly connected to a 12V outlet, the light will glow GREEN, indicating the inverter is ready.
- 2. Plug the product(s) you want to operate into the AC outlet or USB port and switch them on (if necessary).

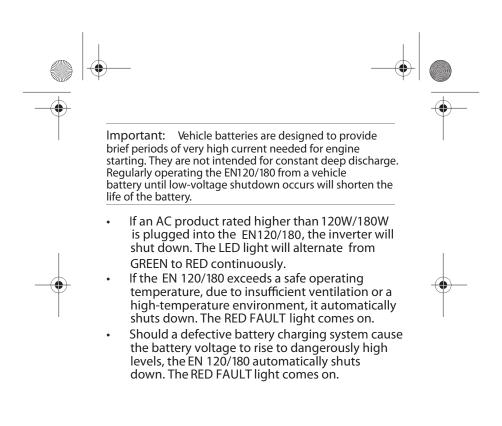


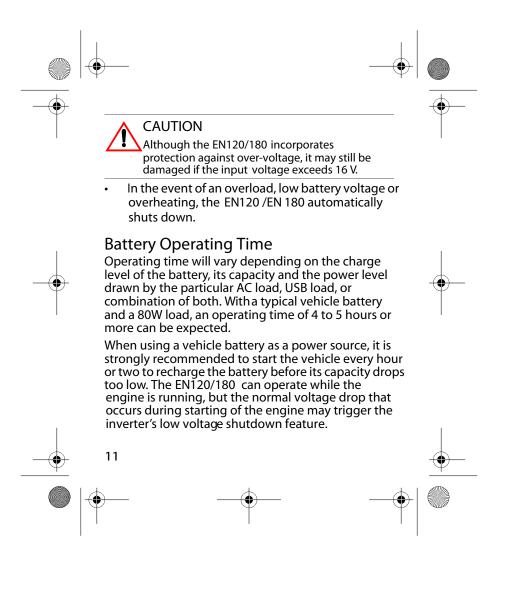
Operating Guidelines

As the battery is used, its voltage begins to fall. When the EN120/180 senses that the voltage at its DC input has dropped to 10.5V, the inverter automatically shuts down and the light glows RED, indicating a fault. This prevents the battery from being damaged. Turn off any devices that the EN120/180 is powering.

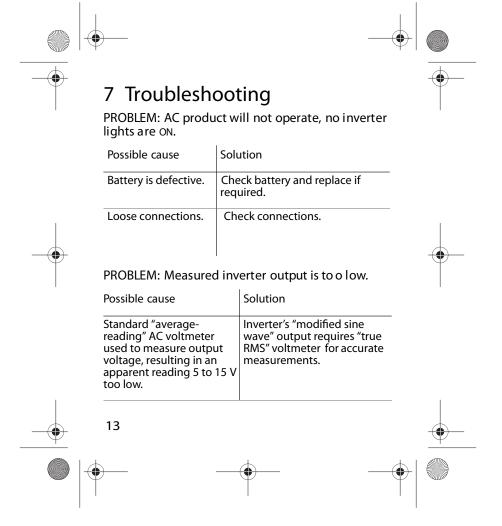


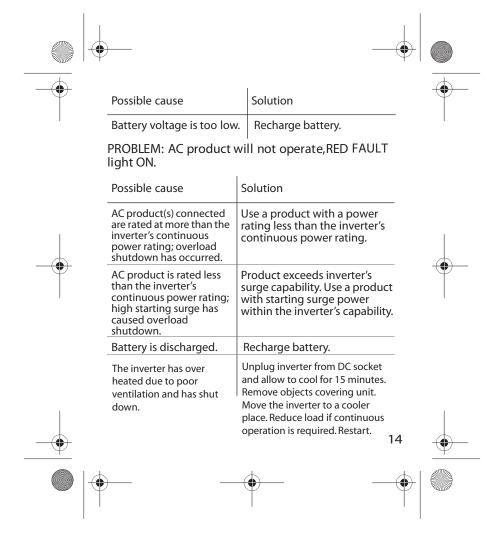


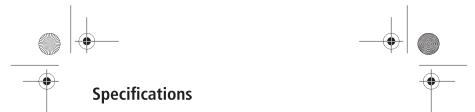












Specifications are subject to change without notice.

	AC Dower Output		
	AC Power Output	EN120	EN180
	AC output voltage (nominal)	115VAC/60Hz 120W	115VAC/60Hz 180W
	Continuous AC output power	120W	180W
	AC output waveform	Modified sine wave	
	Maximum AC output surge power	240W	360W
	AC output frequency	60 ± 3Hz	60 ± 3Hz
	USB DC output voltage	5V DC	5V DC
	4X USB DC output current (max.)	2.1 Amp (Shared)	2.1 Amp (Shared)











DC Power **Specifications**

		EN120	EN180
	DC input voltage range (VDC)	13.8V DC, 10A Max	13.8V DC, 15A Max
	Battery drain with no AC load (at 12 V input)	0.4A	0.4A
	Efficiency (maximum)	85%	85%
	Low voltage shutdown point (nominal)	10.5V+-0.5V	10.5V+-0.5V
	High voltage shutdown point (nominal)	15.5V+-0.3V	15.5V+-0.3V



Physical **Specifications**

•		
Dimensions (inches) (Length × Width × Height)	(L)3.3 (W)3.26 (H)3	(L)3.3 (W)3.26 (H)3
Weight	0.42 lbs	0.44 lbs

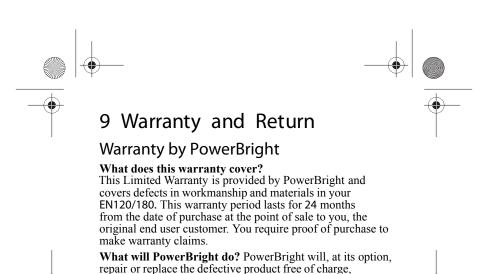












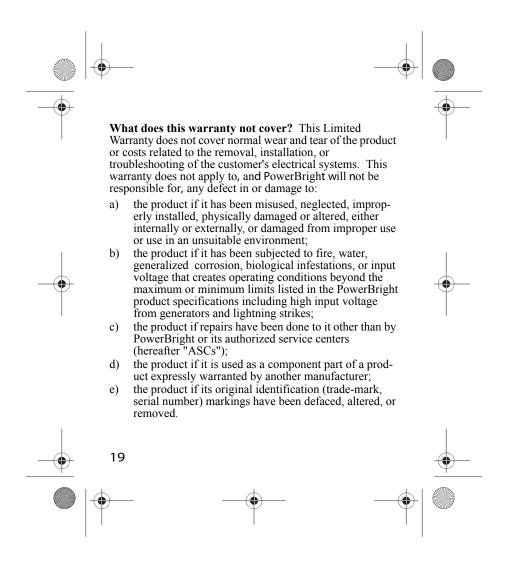
and that it is covered by this Limited Warranty.

PowerBright will, at its option, use new and/or reconditioned parts in performing warranty repair and building replacement products. PowerBright reserves the right to use parts or products of original or improved design in the repair or replacement. If PowerBright repairs or replaces a product, its warranty continues for the remaining portion of the original Warranty Period or 90 days from the date of the return

provided that you notify PowerBright of the product defect within the Warranty Period, and provided that PowerBright through inspection establishes the existence of such a defect







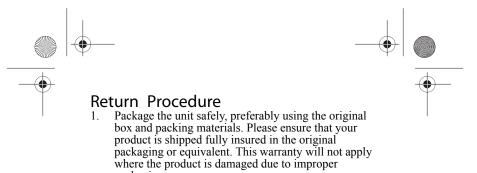


Return Material Authorization Policy

Before returning a product directly to PowerBright you must obtain a Return Material Authorization (RMA) number and the correct factory "Ship To" address. Products must also be shipped prepaid. Product shipments will be refused and returned at your expense if they are unauthorized, returned without an RMA number clearly marked on the outside of the shipping box, if they are shipped collect, or if they are shipped to the wrong location.

When you contact PowerBright to obtain service, please have your instruction manual ready for reference and be prepared to supply:

- The serial number of your product
- Information about the installation and use of the unit
- Information about the failure and/or reason for the return
- A copy of your dated proof of purchase



- packaging.
 2. Include the following:
 - The RMA number supplied by PowerBright Technology, Inc. clearly marked on the outside of the box.
 - A return address where the unit can be shipped. Post Office Boxes are not acceptable.
 - A contact telephone number where you can be reached during work hours.
 - A brief description of the problem.
- 3. Ship the unit prepaid to the address provided by your PowerBright customer service representative.

If you are returning a product from outside of the USA or Canada In addition to the above, you MUST include return freight funds and are fully responsible for all documents, duties, tariffs, and deposits.

